

6. (Amended) A method of treating a mammal with vaginal dryness by administering an effective vaginal dryness treatment amount of a compound of Formulas I, [II], III, or IV as described in [claims 1-5] Claim 1 or 4.

7. (Amended) A pharmaceutical composition comprising a compound of Formulas I, [II], III, or IV as described in [claims 1-5] Claim 1 or 4 together with a pharmaceutically acceptable carrier therefor in the form of a liquid or gel suspension.

8. (Amended) The method of claim 6 wherein the amount of compound of Formulas I, [II], III or IV administered to the mammal is sufficient to achieve a concentration on the cervical and/or vaginal mucosa of from about  $10^{-7}$  moles/liter to about  $10^{-1}$  moles/liter.

9. (Amended) The method of claim 6 wherein the amount of compound of Formulas I, [II], III, or IV administered to the mammal is sufficient to achieve a daily dose of between 1 to 1000 milligrams.

10. (Amended) A method of treating a mammal with vulvar pain by administrating an effective vulvar pain treatment amount of a compound of Formulas I, [II], III, or IV as described in [claims 1-5] Claim 1 or 5.

**REMARKS**

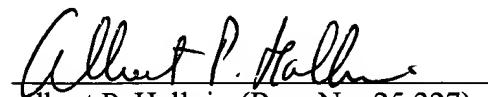
**The Amendment**

The above amendments cancel Formula II from the claims.

No new matter is added in any of the amendments. The Examiner is respectfully requested to enter all the amendments.

Respectfully submitted,

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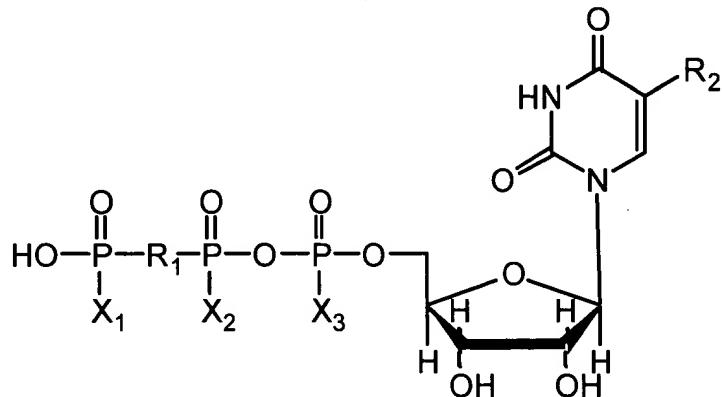
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**CLEAN VERSION OF ALL PENDING CLAIMS**

1. A method of stimulating cervical and vaginal secretions in a mammal in need thereof by administering an effective secretion stimulating amount of a compound of Formulae I, III, or IV:

Formula I



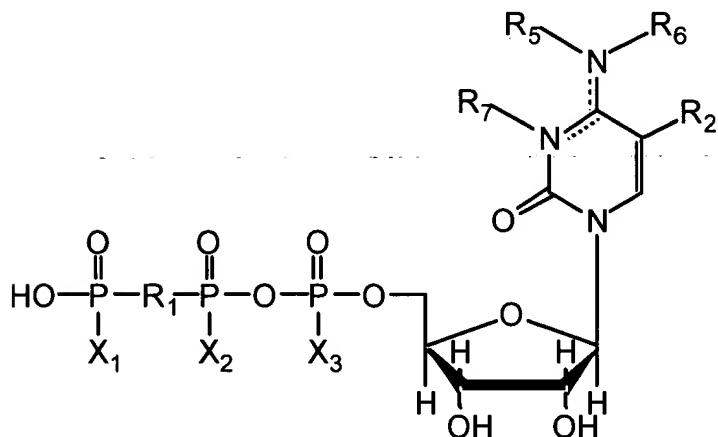
wherein:

X<sub>1</sub>, X<sub>2</sub> and X<sub>3</sub> are each independently either O<sup>-</sup> or S<sup>-</sup>;

R<sub>1</sub> is O, imido, methylene or dihalomethylene;

R<sub>2</sub> is H or Br; preferably, R<sub>2</sub> is H; or

Formula III



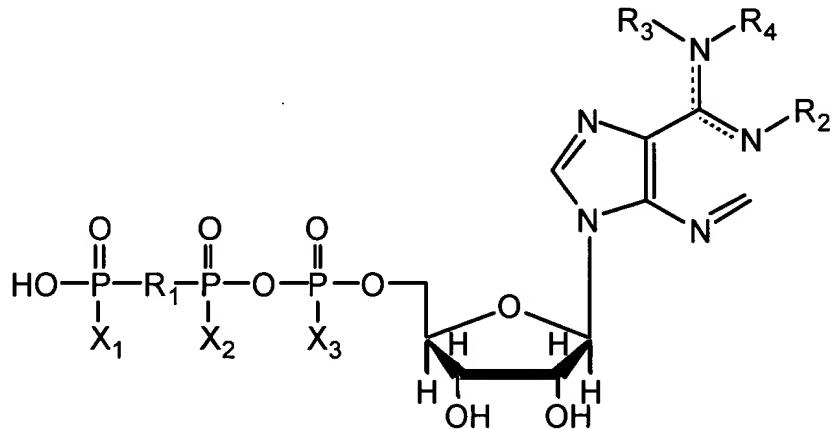
wherein:

$R_1$ ,  $X_1$ ,  $X_2$  and  $X_3$  are defined as in Formula I;

$R_5$  and  $R_6$  are H while  $R_7$  is nothing and there is a double bond between N-3 and C-4 (cytosine), or

$R_5$ ,  $R_6$  and  $R_7$  taken together are  $-CH=CH-$ , forming a ring from N-3 to N-4 with a double bond between N-4 and C-4 ( $3,N^4$ -ethenocytosine) optionally substituted at the 4- or 5-position of the etheno ring; or

Formula IV



wherein:

$R_1$ ,  $X_1$ ,  $X_2$ , and  $X_3$  are defined as in Formula I;

$R_3$  and  $R_4$  are H while  $R_2$  is nothing and there is a double bond between N-1 and C-6 (adenine), or

$R_3$  and  $R_4$  are H while  $R_2$  is O and there is a double bond between N-1 and C-6 (adenine 1-oxide), or

$R_3$ ,  $R_4$ , and  $R_2$  taken together are  $-CH=CH-$ , forming a ring from N-6 to N-1 with a double bond between N-6 and C-6 (1,N6-ethenoadenine); or pharmaceutically acceptable esters or salts thereof.

4. The method of claim 1 wherein  $R_2$  of Formula I is H.
6. A method of treating a mammal with vaginal dryness by administering an effective vaginal dryness treatment amount of a compound of Formulas I, III, or IV as described in Claim 1 or 4.
7. A pharmaceutical composition comprising a compound of Formulas I, III, or IV as described in Claim 1 or 4 together with a pharmaceutically acceptable carrier therefor in the form of a liquid or gel suspension.
8. The method of claim 6 wherein the amount of compound of Formulas I, III or IV administered to the mammal is sufficient to achieve a concentration on the cervical and/or vaginal mucosa of from about  $10^{-7}$  moles/liter to about  $10^{-1}$  moles/liter.
9. The method of claim 6 wherein the amount of compound of Formulas I, III, or IV administered to the mammal is sufficient to achieve a daily dose of between 1 to 1000 milligrams.
10. A method of treating a mammal with vulvar pain by administrating an effective vulvar pain treatment amount of a compound of Formulas I, III, or IV as described in Claim 1 or 5.